



**S.V. National Institute of Technology, Surat,
India
Department of Mechanical Engineering**



**In Association with
Indian Institution of Industrial Engineering
(IIIE),
NHQ-Mumbai**

International Conference on Industrial Engineering (ICIE 2011)

Technical Program Overview				
Day 1, November 17, 2011, Thursday				
8.30 AM -10 AM	Tea and Registration			
10.00 AM -11.00 AM	Inaugural			
11. 00 AM- 11.30 AM	High Tea			
11.30 AM-12.30 AM	Keynote Speech			
1.00 PM- 2. 30 PM	Conference Lunch			
Presentation Venue	M1	M2	M3	M4
2.30 PM- 4.00 PM	Decision Analysis, Systems Modeling and Simulation Methods (1)	Facility Planning and Management/Value Analysis and Engineering	Lean, Agile and Quick Response Manufacturing	Logistics and Supply Chain Management System (1)
4.00 PM- 4.30 PM	TEA BREAK			
4.30 PM to 6.00 PM	Flexible Manufacturing System (1)	Quality Management (1)	Production Engineering (1)	Logistics and Supply Chain Management System (2)
7.30 PM onwards	Conference Dinner and Cultural Programme			
Day 2, November 18, 2011, Friday				
8.15 AM- 9.15 AM	Morning Breakfast			
Presentation Venue	M1	M2	M3	M4
9. 30 AM- 11.00 AM	Advanced Operations Management	Quality Management (2)	Manufacturing Systems Engineering (1)	Logistics and Supply Chain Management System (3)
11. 00 AM - 11.30 AM	TEA BREAK			
11.30 AM-1.00 PM	Decision Analysis, Systems Modeling and Simulation Methods (2)	Quality Management (3)	Small Scale Industries and Entrepreneurship	Logistics and Supply Chain Management System (4)
1.00 PM- 2. 30 PM	Conference Lunch			
2.30 PM- 4.00 PM	Product and Process Innovation	Quality function Deployment	Productivity and Industrial Engineering Practices	Project Management
4.00 PM- 4.30 PM	TEA BREAK			
4.30 PM to 6.00 PM	Reliability and Maintenance Engineering	Industrial Design (1)	Enterprise Resource Planning/Human Resource Development	Ergonomics/Human Factors Engineering
7.30 PM onwards	Conference Dinner and Cultural Programme			

Day 3, November 19, 2011, Saturday				
Presentation Venue	M1	M2	M3	M4
8.15 AM- 9.15 AM	Morning Breakfast			
9. 30 AM- 11.00 AM	Productivity and Industrial Engineering Practices (2)/Products and Process Innovations	Quality Management (4)	Production Engineering (2)	Logistics and Supply Chain Management System (5)
11. 00 AM - 11.30 AM	TEA BREAK			
11.30 AM-1.00 PM	Industrial Design (2)	Decision Analysis, Systems Modeling and Simulation Methods (3) /Engineering Economy and Cost Analysis	Industrial Materials and Metallurgy (1)	Technology and Knowledge Management(1)
1.00 PM- 2. 30 PM	Lunch			
2.30 PM- 4.00 PM	Flexible Manufacturing System (2)/Knowledge Based System/Production Engineering	Product and Process Innovation/Reliability and Maintenance Engineering	Technology and Knowledge Management (2) /Manufacturing Systems Engineering/Productivity and Industrial Engineering Practice	Renewable Energy and Management/Industrial Materials and Metallurgy (2) /Industrial Pollution and Noise
4.00 PM- 4.30 PM				
4.00PM-5.00PM	Quality Management (5)			
5.00 onwards	Valedictory and High Tea			

Day 1 - Thursday, November 17, 2011 / M1 / 2.30 PM - 04:00PM		
Decision Analysis, Systems Modeling and Simulation Methods		
IE 270	Priority-Based Encoding Genetic Algorithm for Two-Stage Transportation Supply Chain	Siva Prasad Darla and Narayanan S
IE 280	Application of RSM with Grey Relational analysis in metal cutting for Multi-response quality characteristics	L B Abhang and M Hameedullah
IE 299	Application of Hybrid Genetic Algorithm For Performance Improvement In Multistage Machining	S .Maitra and Debamalya Banerjee
IE120	A Study On the Application of Multi-Criteria Decision Making tool using TOPSIS & Artificial Neural Network (ANN) Algorithm	S.Senthilvel, K.Ravichandran, R.Muruganandham and T.Sornakumar
IE137	Modeling and Optimization of Healthcare Systems: An Overview	Papiya. Bhattacharjee, Pradip Kumar Ray
IE148	Optimization of Transport Management Using Vehicle Routing Problem	Ashok Panjwani, Rishabh Raman

Day 1 - Thursday, November 17, 2011 / M2 / 2.30 PM - 04:00PM		
Facility Planning and Management/Value Analysis and Engineering		
IE101	An Integrated Fuzzy QFD and MCDM Approach for Facility Location Selection	K. Kumar and S. Kumanan
IE197	Shop Floor Management for Quality and Productivity Improvement	N.Venkateshwarlu
IE128	Modification of Plant Layout for Increasing its Productivity	Neetesh Kumar Gupta, Prashant Kumar and Prabhat Suman
IE 253	Value Analysis to Panel Body Assembly	Narender Kumar
IE 132	Cost Reduction Through Value Analysis in Galvanization Process	Sunil Kumar Jauhar and Avadhesh Dalpati
IE 315	Eliminating Muda Through Value Stream Mapping (Vsm) - A Case Study of MNC	M.N.Qureshi and M.R.Sama

Day 1 - Thursday, November 17, 2011 / M3 / 2.30 PM - 04:00PM		
Lean, Agile and Quick Response Manufacturing		
IE114	Lean Manufacturing to Lean Enterprise	Abhishek dixit, Sanjay patel and Anupam dixit
IE151	Competitive Advantage of Lean Manufacturing over Traditional Manufacturing: A Case Study	Binod Kumar Singh, Chandan Bhar, and Visvesvaran Pandurangan
IE240	Lean Initiatives in Process Industries	Avinash Panwar, Rakesh Jain and A.P.S. Rathore
IE135	Development of An Instrument for Improving Effectiveness of Lean Six Sigma Implementation in Small and Medium Sized Enterprises	P. P. Shah and R. L. Shrivastava
IE 255	Integration of Lean, Six Sigma and Theory of Constraints Methodology (TOC)	S.R.Prajapati and Tushar.N.Desai

Day 1 - Thursday, November 17, 2011 / M4 / 2.30 PM - 04:00PM		
Logistics and Supply Chain Management System		
IE127	Fuzzy based leagility index computation	S.Aravind raj and S.Vinodh
IE222	Simulation Based Analysis Of The Bull Whip Effect In Supply Chain	Pritee Ray and Dr Amitabha Biswas

	Inventory System	
IE158	A Model for Selection of Best Third Party Provider in Reverse Logistics Process	N.Saiprasanna
IE223	The Study of Green Supply Chain Management: A Case of Indian Industry	L. Vijayvargy and G. Agarwal
IE161	Competitiveness Analysis of A Manufacturing Orgination from Supply Chain Perspectives: A Case Study	Kailash attri and Mahesh chand
IE226	Analyzing Critical Success Factors of Supplier Development in Manufacturing Supply Chain	S. K. Pradhan and S. Routroy

Day 1 - Thursday, November 17, 2011 / M1 /4.30 PM - 06:00PM

Flexible Manufacturing System

IE 185	Flexibility in Manufacturing System: A bird's eye view	S.P.Kaur , R.kumar and J. Kumar
IE 296	A Hybrid Differential Evolution Approach for Flexible Job Shop scheduling	G. Balaraju, Sriram Venkatesh and B.S.P. Reddy
IE201	Components,Capabilities,Challenges,Characteristics of Reconfigurable Manufacturing System	R.E.Hiwase, Dr.J.F.Agrawal and R.R.Gawande
IE 265	Manufacturing Flexibilities in Small and Medium Enterprises	Madhukar B. Sorte and Avinash D. Sarode
IE 325	A Computer-Aided System for Scheduling of FMS	Ankush Sharma, Vishal Naranje and Shailendra Kumar
IE131	Creating Machine Cells by Rank Order Clustering and Deciding Machines Sequence through Hollier Method	N.N.Chudasama and A.U.Rajurkar

Day 1 - Thursday, November 17, 2011 / M2 /4.30 PM - 06:00PM

Quality Management

IE133	Do Business Process Management and Six Sigma complement each other?	Suresh Subramoniam, K. V. Krishnankutty and K. Gopalakrishnan Nair
IE147	A Neural Network Method for measuring Service Quality In Water Utility Sector: An Indian Perspective	Satapathy S, Mahapatra S.S, Patel S.K, Mishra P.D and A.Biswas
IE181	An Empirical Study of Barriers to TQM Implementation in Indian Service Industries	Faisal Talib, Zillur Rahman and M.N. Qureshi
IE231	Total Quality Management for Technical Institution	Dharamveer singh, S.V singh, Achchelal and V.K Singh
IE 300	Six Sigma approach for education sector	S. Srinivasa Rao, Ujjwal Kumar Behera and D. Rama Sita
IE235	Relationship between Implementation of TQM, JIT, TPM and SCM and Manufacturing Performance	V. D. Wakchaure, K. N. Nandurkar and S. P. Kallurkar

Day 1 - Thursday, November 17, 2011 / M3 /4.30 PM - 06:00PM

Production Engineering

IE 150	Predicting Drilling Parameters on Surface Roughness using Neural Network Model	N Ravinder Reddy and K Eshwara Prasad
IE203	Use of Fuzzy Expert System Combined with Taguchi Philosophy for Parametric Optimization of EDM on UTS 304 Grade Stainless Steel	D. M. Padhy, R. K. Sahu, S. Datta and S.S. Mahapatra
IE232	FEM Analysis of Stress generation in carbide tool during Hard Turning	Gaurav Bartraya and Kunal Saurabh
IE237	Optimization of EDM Process Parameters with Aluminium-Fly Ash Composite using Taguchi method	Pankaj Sharma, O.P. Kaushal and Amit Sharma
IE 241	Effective high speed machining of superalloy Inconel 718 using minimum quantity lubrication under pulsed jet mode technique	D. G. Thakur , A. Kumaraswamy, B. Ramamoorthy and L. Vijayaraghavan

IE 258	Study of the Methods of Improving Material Removal Rate in Electrochemical Machining	S.H.Surekar, S.G.Bhatwadekar, W.G.Kharche and .D.S.Bilgi
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Day 1 - Thursday, November 17, 2011 / M4 /4.30 PM - 06:00PM		
Logistics and Supply Chain Management System		
IE230	Solving Bi-Objective Supply Chain Problem By NSGA-II Evolutionary Algorithm	Susmita Bandyopadhyay and Ranjan Bhattacharya
IE103	Mediation effect of 'supply chain strategy' between 'competitive strategy' and 'business/supply chain performance' in the processing sector of Indian manufacturing industry	Gunjan Soni and Rambabu Kodali
IE122	Bullwhip Effect in SCM: With an Example of Online Beer Game	Manish Pant
IE234	Analysis of Risk Management Strategic Stances: A Unified Approach with Logistic regression and ANN	Piyush singhal, G. Agarwal and M.L. Mittal
IE 106	Recycling of End-of-Life Vehicles in Indian Scenario	Mayank Singh Rawat,
IE 107	Inventory Reduction @ Third Party Logistics Service Provider	Rajesh J. Dhake, Shivaji Thakur and Mandar Joshi

Day 2 - Friday, November 18, 2011 / M1 /9.30 AM - 11:00AM		
Advanced Operations Management		
IE204	Product Benchmarking of Luxury Buses - A Case study	N S Narahari and K.N. Subramanya
IE 314	A New Approach of Assembly Line Balancing using Rank Positional Weight Method coded in C++	Ashish Manoria, P.L.Verma, Sandip Kumar Mishra and Mudresh Mohan Tripathi
IE331	Inventory optimization for restricted capacity system with rhythmic production and cyclic replenishment	DINESH SETH and MANJIT PANDEY
IE186	Comparative Analysis of Combination of Centered Moving Average and Exponential Smoothing With Linear Growth Regression Model of Sales Forecasting	N. R. Rathod
IE105	AN EMERGING STRATEGY: BUSSINESS PROCESS ENGINEERING	S.V. Ballar and T. N. Desai
IE170	ISO 9001 IMPLEMENTATION IN INDIAN CONSTRUCTION INDUSTRIES: AN EXPLORATORY STUDY	Shri. B.S. Patil, Dr. P.B. Ullagaddi and Dr. D.G. Jugati

Day 2 - Friday, November 18, 2011 / M2 /9.30 AM - 11:00AM		
Quality Management		
IE 316	TQM Vs Six Sigma, Which is Better?	S.S. Sarda, I. K. Sayyad, P.V. Patil and S.G.Borse
IE 257	Quality Management in Post harvest processing of Citrus fruits- An Approach to Identify Critical Success Factors (CSF's)	Sunil Kumar. U.T and Shrivastava. R.L
IE126	The Measurement of Quality Performance with Sigma Measurement and Cost of Poor Quality	Anup A.Junankar, P.N Shende and S.T. Bagde
IE173	An Instrument for measuring the effectiveness towards excellence in technical Education-TQM approach	Anil R. Sahu, Rashmi R.Shrivastava and R. L. Shrivastava
IE 271	Identification of Critical Success Factors For The Total Quality Management	S.C.Jamunnkar, S.S.Munjewar and R.V. Adkane
IE175	Statistical Process Control in Pharmaceutical Industry: A Case Study for Optimum Productivity in Tablet Production	Imtiyaz Khan, M.K.Ghosh and Puneet Mathur

Day 2 - Friday, November 18, 2011 / M3 /9.30 AM - 11:00AM		
Manufacturing Systems Engineering		
IE102	Analysis of interactions among enablers of e-manufacturing: An ISM approach	Rajeev Saha, Sandeep Grover,
IE118	A Review on Green Manufacturing Practices versus Product Stewardship	Sanjeev Shrivastava, Dr. R.L Shrivastava and Dr. S.K. Ganguly
IE212	Advanced Manufacturing Technology Implementation: A Review of Barriers	Anshul Swamy ¹ and Ravi Kant
IE 312	Just in Time Manufacturing Implementation and Performance benefits in Indian SMEs and Large Manufacturing Industries.	M. T. Telsang and Dr. P.K.Brahmankar
IE191	Green Manufacturing (GM): Issues, Trends & Practices	Minhaj Ahemad, .A.Rehman and R.L.Shrivastava
IE199	World Class Manufacturing Models: Comparison And Evolution	R.Gandhi, J.Mehta ² , M.Patel and T.N.Desai

Day 2 - Friday, November 18, 2011 / M4 /9.30 AM - 11:00AM		
Logistics and Supply Chain Management System		
IE 113	Supply Chain Management: Optimization in Vegetable Distribution System In Indian Cities	Lalit Yadav, Sonali Jain and Kamlesh Parmar
IE129	Growth of Sea Logisitcs in India	Mandar Narsinh Joshi
IE134	Development of an Integrated Two-tier Supply Chain Model for Perishable Products with Non-Deterministic Demand	Sanjay W. Rajurkar and Rakesh Jain
IE192	Exploring the dimensions of lean Supply chains in Pharmaceutical Industry: A case study	M. S. Kirkire
IE163	Business Process Management @ 3pl through Process Mapping & Activity Based Costing	R. J. Dhake and H. R. Kurangale
IE 243	Critical Review of Literature For Improving Operational Effectiveness of An Enterprize With the Help Of Supply Chain Management	R.R.Gawande, I.K.Chopde, R.E.Hiwase, R.J.Dahake and S.G.Ingle

Day 2 - Friday, November 18, 2011 / M1 /11.30 AM - 1:00PM		
Decision Analysis, Systems Modeling and Simulation Methods		
IE 302	Optimization through Genetic Algorithm using MATLAB	Lakshmi Kameswari and Ujjwal Kumar Behera
IE 104	Development of Multi-criterion Decision Model for Justification of World Class Manufacturing Systems	Rambabu Kodali and Vivek Sunnapwar
IE 263	Design and Development of Reactive Ordering System through E-Kanban using Taguchi's Technique for a warehouse of Tractor Assembly	M. P. Joshi and P. V. Kane
IE 275	A Review of Non Conventional Optimization Methodologies for CNC Turning Process	V.P. Kulkani and S.D.Deshmukh
IE169	Decision Support System for Rapid Prototyping Process Selection	V. W. Shende and P.C.Kulkarni
IE172	Solving Dynamic Layout problem with Genetic Algorithm	K. V. Chandratre and K. N. Nandurkar

Day 2 - Friday, November 18, 2011 / M2 /11.30 AM - 1:00PM		
Quality Management		
IE 285	Total Quality Management Systems and Six Sigma	K.P.Sohani and A.N.Shetty, U.D.Gulhane
IE215	Approach paper for a research proposal to improve quality and productivity through lean six sigma implementation in rolling industry in Central India.	R. L. Shrivastava and K. I. Ahmad
IE236	Quality initiatives: A Literature Review on Relationship, Blending and Scope for Research	G. Upadhyaya and K.S. Bhat
IE160	Kaizen Improves Quality and Productivity: A Case Study	T.B. Pankhania and V.K. Modi
IE 244	Reduction of rejection in automotive control cables prepared by pressure die casting through Six Sigma DMAIC methodology: A case study at Auto - ancillary Industry in India	T. K. Naik, P. C. Gholap, M. J.Desai and G. Pinto
IE 266	Quality Introspects and Productivity: A Survey Conducted at Vitthal Udyognagar in Anand District of Gujarat, India	T.B. Pankhania and V.K. Modi

Day 2 - Friday, November 18, 2011 / M3 /11.30 AM - 1:00PM		
Small Scale Industries and Entrepreneurship		
IE259	Quality & Productivity Improvement Framework for Micro Small Medium size Enterprises (MSME) using Lean & Six Sigma	Mrs.M.S.Lande and Dr.R.L.Shrivastava
IE276	Implementation of Six Sigma in A Small Scale Industry	Apoorva M. Kakde, Dipti N. Agrawal and Nikhil M. Badole
IE 318	Study of Analysing the Impact of ISO 14000 Certification on Organizational Performance in case of SMEs in India	A. K. Bewoor and Dr. M. S. Pawar
IE174	Need of Entrepreneurial culture in Vidarbha Region of Maharashtra	M. S. Bodkhe and N. M. Sawai
IE 307	INDUSTRIAL ENGINEER AS A BDS PROVIDER & FACILITATOR AN ENLARGED ROLE IN THE GLOBALISED ECONOMY	D M PARIKH
IE 308	Challenges Faced By Micro Entrepreneurs: A Study Of The Street Vendors Of Surat	Renuka Garg, Aaishwarya Kulkarni and Priti Garg

Day 2 - Friday, November 18, 2011 / M4/11.30 AM - 1:00PM		
Logistics and Supply Chain Management System		
IE187	Strategic Alliance Between Supply Chain Partners an Over View	O.P.Dubey and Dr.N. Sohani
IE141	Supplier Evaluation and Selection in A Dairy Industry	M.A.Bhura, R .A. Kubde, M.Ayaz Afsar and M.T.Sohel
IE188	Impact of Natural Disasters on Supply Chains and Risk Management	P. K. Soni and I. Khan
IE 247	Integrating Lean Six Sigma and Supply Chain Management (SCM) for improving the performance	S.S. Sarda, I. K. Sayyad, S. J. Gorane and P.P. Patil
IE 267	Drivers of Supply Chain Management for Deliverable Improvements	N.B.Tambe and A.D.Sarode
IE 293	FMCG Flow and Opportunity for Green Supply Chain around Technocrats	C.P. Chauhan and N.K. Lautre

Day 2 - Friday, November 18, 2011 / M1/2.30 PM - 4:00PM		
Product and Process Innovation		
IE 245	Selection of Professional Service Innovative Organization by Using Analytic Hierarchy Process	V Kalluri and R B Kodali
IE 256	Integrating product development and supply chain management	A.Pareek, R.Jain and A.P.S. Rathore
IE 291	RFID based system for prevention of material mix-up at various stages in Metal-Injection-Molding process.	Prof. Vinayak V. Kulkarni
IE 251	Application of Some Innovative Technologies in The Growth of Scrap Based Steel Making in India– A Review	R. D. Thakre, G. V. Thakre and D. N. Agrawal
IE 274	Ecodesign and Ecomanufacturing of A Kitchen Blender	S.J. Madki and B.B. Deshmukh
IE 298	Nano Fuels: A Challenge to Petroleum Industry	R. N. Mehta, P.A. Parikh and M. Chakraborty

Day 2 - Friday, November 18, 2011 / M2/2.30 PM - 4:00PM		
Quality function Deployment		
IE319	Design and Development of a frame work for system design requirements in Technical Education: A Quality function Deployment Approach	P.Karuppuchamy
IE189	Analysis of Customer Satisfaction in Internet Banking Service Quality using Quality Function Deployment Approach	Parul Gupta and R.K. Srivastava
IE208	Product Development in Dairy Industry Using Quality Function Deployment (QFD): A Case Study	Jandel S. Yadav, M.K. Ghosh and Rakesh K. Patidar
IE108	Comparative study between public sector and private sector bank by using QFD	sunil shukla
IE 292	Crisp & Fuzzy Quality Function Deployment approaches for Improving Design of Domestic Refrigerator	M.N.Qureshi and C.P.Vithalani
IE130	Application/Implementation of Quality Function Deployment: A Case study in Two Wheeler Segment	Mohammed Irfan Khan and Devendra S. Verma

Day 2 - Friday, November 18, 2011 / M3/2.30 PM - 4:00PM		
Productivity and Industrial Engineering Practices		
IE 301	Industrial Engineering-Challenges and opportunities	P.Chandrakanth Sharma Ujjwal Kumar Behera and D.Rama Sita3
IE157	Performance evaluation of underground hand section mines through OR techniques	Ujjwal Kumar Behera, B.V.Ramana, G and D. Rama Sita,
IE 323	Operational Strategies In Pharmaceutical Industry	Rajkumar Patil and M. R. Shakthi Prakash
IE144	Identification and Evaluation of Critical Success Factors (CSFs) for Performance Improvement of furniture Cluster: An Approach	R.B.Chadge1, R.L.Shrivastava and S.D.Kshirsagar
IE217	Application of basic quality tools for wastage reduction in Batching section of selected jute mill	Balu T. Sukate, K. Madulety and Mani K. Madala,
IE218	Application of basic quality tools for wastage reduction in Weaving section of selected jute mill	Balu T. Sukate, K. Madulety and Mani K. Madala,

Day 2 - Friday, November 18, 2011 / M4/2.30 PM - 4:00PM		
Project Management		
IE221	Prediction of outsourced projects performance using Artificial Neural Networks	J. Dasgupta, R. P. Mohanty, G. Sahoo
IE193	New Procedure for Constructing Activity on Arc (AOA) Networks	B. R. Kharde and G. V. Vikhe Patil
IE196	New Method for Constructing Activity on Arc (AOA) Networks	B. R. Kharde and G. Vikhe Patil
IE334	Capital Budgeting Simulation Model to aid Project Selection that Maximizes the Net Worth	Prayag. P. Patel and Palak. P. Patel

Day 2 - Friday, November 18, 2011 / M1/4.30 PM - 6:00PM		
Reliability and Maintenance Engineering		
IE153	Introducing TPM Technique in Flexible Manufacturing System for Maximum OEE	Rajesh Kumar Verma, K.K. Goswami, Chandra Prakash Gupta and Arpan Kr. Mandal
IE154	A Case Study of Jishu Hozen on Usha Marti Ltd,Ranchi	Manoj Kumar Pal, Manish Kumar,
IE210	An Approach for Condition Monitoring of 210MW Power Plant Unit	A.R.GATLEWAR, D. R. ZANWAR, G. D. MEHTA and J. P. Modak
IE140	Vibration Based Condition Monitoring of Drag Line	M. Ayaz Afsar, J. P. Modak, M. T. Sohel and A . Langde
IE 279	Impact of Human Error in Maintenance Management and Minimizing Methodology	N.K.K.Prasanna and Tushar N. Desai
IE168	Preventive Maintenance of centrifugal pump KSB (40-160) in chemical plant	J. D. Gandhi and Shri J. H. Mistry

Day 2 - Friday, November 18, 2011 / M2/4.30 PM - 6:00PM		
Industrial Design		
IE162	Performance of Orthogonal Frequency Division Multiplexing (OFDM) in 4G	Sanjay patel, Govind patel and Vipul patel
IE206	Pole-Placement Controller and Minimum-Order State Observer Design for Rotary Inverted Pendulum	Bipin Krishna, I. runavukkarasu, and V. I George
IE213	Analysis of Failures in the different zone of the Boiler:- An Experimental Approach	S.P.Ambade, P.R Dongre and V.B.Rakhunde
IE159	Skyhook Controlled Vehicle Semi-active Suspension System	D. R. Unaune and M. J. Pawar
IE 306	Stress Analysis of Spur Gear Using Photoelasticity and FEA	R R Honkalas, B B Deshmukh and R D Mistry
IE184	Ride Analysis of Quarter Vehicle Model	D. R. Unaune, M. J. Pawar and Dr. S. S. Mohite

Day 2 - Friday, November 18, 2011 / M3/4.30 PM - 6:00PM		
Enterprise Resource Planning/Human Resource Development		
IE110	ERP Implementation: A Case Study in Two Wheelers Manufacturing Company	Pallavi Joshi Upadhyaya and Nagendra Sohani
IE 248	Effect Of ERP Implementation on Productivity - A Case Study	Sunil S. Karidkar and T. B. Patil
IE 260	Enterprise Resource Planning Implementation in Small and Medium Enterprises	M.S.Tufail, M.S.Anwar, S.T.Bagde, and S.P.Untawale
IE145	A Proposed Model For Integration of ERP, CRM, SRM And Supply Chain Management	Ram Janm Singh and Nagendra Sohani
IE123	Impact of Motivational Practices on Human Resource Development	Dr. Sharad R. Kulkarni,
IE165	Factors Affecting Job Satisfaction: A Case Study A Survey Conducted In Industries at Vitthal Udyognagar of Anand District of Gujarat State	T.B. Pankhania and V.K. Modi

Day 2 - Friday, November 18, 2011 / M4/4.30 PM - 6:00PM		
Ergonomics/Human Factors Engineering		
IE 254	Investigation and Analysis of Musculoskeletal Disorders in Tractor Trolley Manufacturing Unit Gives Perspective to Design Ergonomic Work Station	Dipti N. Agrawal, Apoorva M. Kakde, and Nikhil M. Badole
IE 305	Economical and Ergonomic Design And Manufacture of the Cashew Kernel Removing Machine	Deshmukh B. B and R.D.Mistry
IE124	Ergonomic Design of Vehicle Chair for Physically Challenged Persons	Y.M. Puri and A.B. Patel
IE 262	Study of the Ergonomics of a Car Seat and Its Effect on Seat Reclining Levers	Saurin Sheth, Ketan Tamboli, Prakash Raghupathi and Mayank Sharda
IE182	Ergonomics Application Used in CAD/CAM Lab for Engineering College Students	Virendra K. Parmar and J. H. Mistry
IE 290	Design of Workstation for Rural Blacksmiths of South Gujarat	V. Z. Dhimmar and S. M. Sheth

Day 3 - Saturday, November 19, 2011 / M1/9.30 AM - 11:00AM		
Productivity and Industrial Engineering Practices/Products and Process Innovations		
IE 288	The Role of Infrastructures in the Perception of Industrial Productivity - An Empirical Finding	T.B. Pankhania and V.K. Modi
IE 264	Introduction to Real options as a tool for IE's in Present Uncertain Times	Sammeer Kaystha
IE207	Performance Evaluation of Grey Relational Analysis for Customer Preference Based Selection of Product Alternatives	S. R. Gangurde and M. M. Akarte
IE112	Need for Product Cannibalization in Small Scale Manufacturing Industries through Product Life Cycle Management	R. P. Terkar ¹ , H. Vasudevan ²
IE116	Comparative Case-Analysis on Safety Life Cycle Management (SLCM) Approach using IEC 61508 Safety Standard in the Process Industries	Kumar Rohit
IE115	Justification of cleaner production in Small and Medium Scale Industries	Gajanan S. Patange, Nilim J. Shah and Avdhoot Rajurkar

Day 3- Saturday, November 19, 2011 / M2/9.30 AM - 11:00AM		
Quality Management		
IE 277	Basic Concepts of FMEA Method In Manufacturing Process	Ashish Panchal, Jyoti Menghani and Janmesh Pandya
IE 326	Increased productivity of Tyre using Lean Methodology	A. J. Chavda and M. Y. Patil
IE164	Quality Circle- Concept and case study	Hetal I. Chaudhari and Tushar N. Desai
IE 272	Just in Time Manufacturing Implementation Issues and Performance in Selected Indian Industries	S. K. Patil, M.T.Telsang and S. K. Rai
IE 335	Measuring the Impact of Total Quality Management in the Manufacturing Sector of Valsad District	V. B. Patel, K. M. Nayak
IE 336	A Study of Factors Affecting the Implementation of TQM in the Corporate World of Union Territory of Dadra Nagar & Haveli	K. N. SHAH
IE 337	Quality Management in The Aerospace and Defence Industry	P.B.S.Reddy and Eric Zayas2

Day 3- Saturday, November 19, 2011 / M3/9.30 AM - 11:00AM		
Production Engineering		
IE143	Experimental Investigation of Heat Effect on Mild Steel by TIG Welding	S.P.Ambade, Dr.A.P.Patil, Y.M.Puri and D.M.Hajare
IE219	A Literature Preview of Quality Enhancement in Grinding Using Liquid Oxygen As A Cutting Fluid	Sandip Das and P.L Verma
IE 282	Taguchi Optimization of Surface Integrity Parameters in High Speed Machining of Titanium Alloy (Ti-6Al-4V)	S. S. Bhadane, R. S. Pawade and B. F. Jogi
IE195	Effect of Process Variables on Open Die Hot Forging - A Study	Bhumi.Shah and S.A.Channiwala
IE205	Effect of Different Tool Material On MRR and Surface Roughness of Mild Steel In EDM	V. D. Patel and Prof. C. P. Patel
IE329	Generation Of Profile Map For Near Net Shape Upsetting Of Copper Billet by forging process	Pritesh prajapati

Day 3 - Saturday, November 19, 2011 / M4/9.30 AM - 11:00AM		
Logistics and Supply Chain Management System		
IE 304	Dimensions of Supply Chain Management: A Literature Review	A. M. Raj and M. V. Sidhpuria
IE 311	Supply Chain Management – A Study of Textile Wholesalers and Retailers	Hitesh Parmar and Jaydip Chaudhari
IE 273	Environmental principles applicable to supply chain operation	S. J. Gorane, S.S.Sarda and Ravi kant
IE136	Supply Chain Management Risk: A prospective research	Mr. Mahesh H. Trivedi
IE229	Modeling a Fuzzy Expert System to Evaluate Vendor Performance	Dr.M.N.Qureshi and K.S.Vaghosi
IE 322	Information Sharing in Supply Chain: Modeling the Barriers	A. A. Pujara and Ravi Kant

Day 3 - Saturday, November 19, 2011 / M1/11.30 AM - 1:00PM		
Industrial Design		
IE324	Reaction force Analysis of rolling Bearing by finite element method	Pritesh Prajapati
IE146	Co-Generation of Power By Stirling Engine Utilizing Waste Heat of I. C. Engine - A Review	J. A. Doshi and D. R. Shah
IE333	Development of Plate and Rod Temperature Compensating Mechanism for Parallel Cavity Filter	Ashish M. Desai, A.R. Srinivas and Piyush P. Gohil
IE156	Optimization of Inlet & Exhaust Valve Leakage Problem in Reputed Company	J. A. Doshi and S. Y. Jani
IE194	A review on Damage detection methodology for shaft	Bhumi.Shah and .D.P.Vakharia
IE 250	PFC of various high-frequency switching converter topologies	Sumita D Chakraborty

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Decision Analysis, Systems Modeling and Simulation Methods/Engineering Economy and Cost Analysis		
IE179	Approach integration for supplier selection using Data envelopment analysis	H.F. Admar and C.S.Jadav
IE198	Estimating Operating Efficiency of Selected Pharmaceutical Companies using Data Envelopment Approach	Dhaval Maheta
IE 261	A selection of Automated Guided Vehicle using COmplex PRoportional ASsessment (COPRAS) method	K. D. Maniya, S. Y. Patel and M. G. Bhatt
IE233	Computer Aided Methoding for Engineering Economy & Cost Analysis: A Case Study	Jitendra S.Bhat, S.S.Mane
IE 320	Remanufacturing Cost Management for Domestic Refrigerator	Anand Petar, Nagendra Sohani and Sandeep Rawariya
IE149	Development of Demand Based Remanufacturing Cost Estimation Model	Mr. Amol D. Lokhande, Rashmi R. Shrivastava, R. L. Shrivastava

Day 3 - Saturday, November 19, 2011 / M3/11.30 AM - 1:00PM		
Industrial Materials and Metallurgy		
IE216	Effect of Random Material Properties on Free Vibration Response Of Functionally Graded Materials Plate With Cutouts in Thermal Environment	K. R. Jagtap and Achchhe Lal
IE 303	An Economic Approach towards Zero-Error Using Non-Destructive Testing For Flaws and Voids in Heavy Duty Tyres	Uday Gudsoorkar and Avinash D. Sarode
IE309	Effect Of Na, Sr, Rear Earth and P On As Cast Al-Si Alloys As Modifier: A Review	N. R. Rathod and J.V. Manghani
IE283	A Review paper on Dispersion strengthening of Magnesium Using Mechanical Alloying Method	Yatin Chauhan and J. Menghani
IE 310	Development In Hadfield Steel	Roshni Parmar, Jyoti menghani, and Bharat Dave
IE214	A Review paper on Hardfacing	Vishal I. Lad, J. Menghani and S. A. Channiwala

Day 3 - Saturday, November 19, 2011 / M4/11.30 AM - 1:00PM		
Technology and Knowledge Management		
IE117	A Comparative Study of Cellular Service Provider Operating in the "Manchester of Punjab", Ludhiana	Vipan Bansal, Harwinder Singh and Rakesh Bhatia
IE121	Development of Object Sorting and Counting Machine Using Image Processing	Manish Pant and Ashish Kumar Pant
IE 295	Knowledge Management Practices in Indian SMEs: A Survey on Strategic Issues	A.Anand, R.Kant and M.D.Singh
IE 313	Post Merger Performance Evaluation of Indian Mergers in the Computer Software and the Telecommunication Services Sector	Janki Mistry
IE119	Data Mining : A competitive weapon for fraud detection	Shivani. V. Vora and R. G. Mehta
IE209	Applications of k-Means Clustering in Engineering Applications	Vaishali R. Patel and Rupa G. Mehta

Day 3 - Saturday, November 19, 2011 / M1/2.30 PM - 4:00PM		
Flexible Manufacturing System/Knowledge Based System/Production Engineering		
IE 286	Scope of Machine Vision in Automated Inspection and Gauging	B.S. Pillai and A.V. Patel
IE 321	An Algorithm for Two Dimensional Nesting of Sheet Metal Components	Nehal Joshi, Avadhoot Rajurkar and Ashish M. Desai
IE 281	Analysis of Forging of Connecting Rod to Design Knowledge Based System	D.N.Kamble and V.M.Nandedkar
IE330	A Knowledge Based Design Advisory System for Assessing Manufacturability of Sheet Metal Parts	M.Chaudhari, V. Naranje and S. Kumar
IE 246	Investigation On Various Output Quality Characteristics During CNC Turning Process Of Different Materials	L. S. Patel, H. K. Dave

Day 3 - Saturday, November 19, 2011 / M2/2.30 PM - 4:00PM		
Product and Process Innovation/Reliability and Maintenance Engineering		
IE327	Product Enhancement for Automotive Cooling System Through Failure Modes & Effects Analysis	B. R. Pathak, J. A. Doshi ² and Ravi kant
IE 249	Automation and Control of Polyurethane Manufacturing Process	Prof. Alpesh M. Patel
IE 278	Development of Lubricant Spraying Attachment for Press Tool Machines As A Tool To Reduce Material Handling, Involved Labor and Accident Prone Occasions	V. P. Palsanawala and A. S. Shah
IE332	Effective Maintenance Management in Petrochemical Industries	N.K.K.Prasanna and Tushar N. Desai
IE190	Total Productive Maintenance and Overall Equipment Efficiency - A Study	A.S.Krishnan and T.N.Desai

Day 3 - Saturday, November 19, 2011 / M3/2.30 PM - 4:00PM		
Technology and Knowledge Management/Manufacturing Systems Engineering/Productivity and Industrial Engineering Practices		
IE 294	Knowledge Management Practices: Case Study from select Indian SMEs	A.Anand, R.Kant and M.D.Singh
IE220	Modeling the Metrics of Knowledge –Sharing Barriers: An ANP approach	B. P. Sharma, M. D. Singh and R. Kant
IE180	Role of Technology in Service Encounter	Anand Prakash
IE225	Advance Manufacturing Technological Enablers Implementation: A Review	Surjeet Singh and R. Kant
IE152	Linkages between Business Environment and Firm Performance: An Empirical Study for Rice Cluster in Indian Setting	Amrendra K. Singh and Rakesh. L. Shrivastava

Day 3 - Saturday, November 19, 2011 / M4/2.30 PM - 4:00PM		
Renewable Energy and Management/Industrial Materials and Metallurgy/Industrial Pollution and Noise		
IE 284	Sensex Credits for Go-Green Mechanisms	Ujjwal Talati and,Nishit Pandya
IE142	Design Concept hybrid system power generation and storage	Miss. Namrata Lotia , M.S.Anwar , S.T.Bagde, M. and S.Tufail
IE328	Use Of Wind Energy With Air Lift Technology For Irrigation In India: A Review	N.R. Patil and M. S. Pawar
IE 269	Introduction to developments in Coatings	H. J. Tinwala, J. V. Menghani and D. V. Shah
IE 287	Manufacturing of Wood Plastic Composite (WPC) With Different Volume Fraction of Fiber	Mr.R.J.Ajudiya and Prof.Dr.A.A.Shaikh
IE 297	Safety Analysis on Industrial Noise Hazards - - Prevention and Management	Partha Mukhopadhyay and B.K.Bhattacharya
IE 252	Pollution Prevention and Emission Control Techniques in Foundries – A Review	R. D. Thakre, G. V. Thakre and D. N. Agrawal

Day 3 - Saturday, November 19, 2011 / M1/4.30 PM - 6:00PM		
Quality Management		
IE 337	Quality Management in The Aerospace and Defence Industry	P.B.S.Reddy and Eric Zayas
IE 338	SIX SIGMA STRATEGY FOR A SUCCESSFUL TURN-AROUND OF SICK UNIT	Gururaj Kulkarni and Dr. Himanshu Trivedi
IE339	Six Sigma for Indian Chemical Industry	JayeshPathak, Tushar N. Desai2, Pravin Bhamre3
IE338	Critical Success Factors of Six Sigma- An empirical study of Indian industries	Tushar N.Desai, Dr R. L. Shrivastava, Dr. O. P. Yadav